

COAL BURNERS/ COAL COMPARTMENT ASSY.



AIR SYSTEMS manufacture Coal nozzle, Coal nozzle tips and complete Coal Compartment assemblies for different sizes of fossil fired boilers. Our Burner Parts are manufactured from super high heat resistant alloys to ensure longer life.

The Coal nozzles are either of fabricated design or the precision machined from SG iron castings to ASTM A536 GR 65 grade.

The Coal Nozzle Tip — part of the Coal Compartment assembly that directs fuel flow— is the last wear component in the coal delivery system. While every component in the coal delivery system is critical, coal nozzle tips are considered as the “most important” and also a consumable item because of its high-abuse, high temperature and harsh operating conditions they endure. Because of its proximity to the fireball, Coal Nozzle Tips are manufactured from SS-316 plates as this is expected to perform under extreme conditions, and are also susceptible to high wear and severe damage. The operating temperature of a conventional coal nozzle tip is typically between 600°F and 700°F.

HARDFACING or CERAMIC LINING OPTIONS FOR COAL NOZZLE TIPS

Hardfacing or Ceramic lining is a customized process that is used to protect high wear areas such as splitter plates and leading edges. Hardfacing thickness available in single 3mm and double pass 6mm. We do ceramic lining in the specific area of the burners.

AIR SYSTEMS burner Parts are considered superior due to its higher combustion efficiency, reliability and high fuel load flexibility



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